## IN THE CLAIMS

- 1. (Currently Amended) A plasticized polyolefin composition comprising from 99.9 wt% to 60 wt% polyolefin; and from 0.1 wt% to 40 wt% of a non-functionalized plasticizer; wherein the non-functionalized plasticizer comprises C<sub>6</sub> to C<sub>200</sub> paraffins having a pour point of less than 5°C. less than 30°C and wherein elastomers are substantially absent from the composition, and wherein the polyolefin is selected from propylene homopolymers, propylene copolymers, propylene impact copolymers, or mixtures thereof.
- 2. (Currently amended) The composition of Claim 1, wherein the non-functionalized plasticizers plasticizer comprises  $C_8$  to  $C_{100}$  paraffins.
- 3. (Currently Amended) The composition of Claim 1, wherein the non-functionalized plasticizers plasticizer comprises  $C_6$  to  $C_{50}$  isoparaffins.
- 4. (Currently amended) The composition of Claim 1, wherein the non-functionalized plasticizers plasticizer comprises  $C_{10}$  to  $C_{100}$  n-paraffins.
- 5. (Original) The composition of Claim 1, wherein the T<sub>g</sub> of the polyolefin decreases from 4 to 10°C for every 4 wt% of non-functionalized plasticizer added to the composition, while the T<sub>m</sub> remains within 1 to 2 °C.
- 6. (Currently Amended) The composition of Claim 1, wherein the non-functionalized plasticizer has a pour point of less than -40°C less than -30°C.
- 7. (Original) The composition of Claim 1, wherein the non-functionalized plasticizer has a viscosity of from 0.1 to 3000 cSt at 100°C.

- 8. (Currently amended) The composition of Claim 1, wherein the non-functionalized plasticizer has a dielectric constant at 20°C of less than 2.3 less than 2.1.
- 9. (Currently amended) The composition of Claim 1, wherein the non-functionalized plasticizer has a specific gravity of less than 0.91-g/cm<sup>3</sup>.
- 10. (Original) The composition of Claim 1, wherein aromatic moieties are substantially absent from the non-functionalized plasticizer.
- 11. (Original) The composition of Claim 1, wherein the weight average molecular weight of the non-functionalized plasticizer is from 100 to 25,000 g/mol.
- 12. (Original) The composition of Claim 1, wherein the weight average molecular weight of the non-functionalized plasticizer is from 200 to 10,000 g/mol.
- 13. (Original) The composition of Claim 1, wherein the polyolefin comprises segments that are isotactic.
- 14. (Currently amended) The composition of Claim 1, wherein the polyolefin is selected from propylene homopolymers, propylene copolymers, and propylene impact copolymers, and or mixtures thereof.
- 15. (Original) The composition of Claim 1, wherein polyolefin is isotactic polypropylene.
- 16. (Currently amended) The composition of Claim 1, wherein the polyolefin is a copolymer <u>comprises comprising</u> propylene derived units and units selected from ethylene derived units and <u>or C<sub>4</sub></u> to C<sub>20</sub> α-olefin derived units.

- 17. (Original) The composition of Claim 11, wherein the polyolefin is a propylene impact copolymer comprising from 40% to 95% by weight of a Component A and from 5% to 60% by weight of a Component B based on the total weight of copolymer; wherein Component A comprises propylene homopolymer or copolymer, the copolymer comprising 10% or less by weight ethylene, butene, hexene or octene comonomer; and wherein Component B comprises propylene copolymer, wherein the copolymer comprises from 5% to 70% by weight ethylene, butene, hexene and/or octene comonomer, and from 95% to 30% by weight propylene.
- 18. (Original) The composition of Claim 14, further comprising a plastomer.
- 19. (Original) The composition of Claim 1, wherein polyethylene having a weight average molecular weight of from 500 to 10,000 is substantially absent.
- 20. (Currently amended) An article of manufacture selected from films, sheets, fibers, woven and nonwoven fabrics, tubes, pipes, automotive components, furniture, sporting equipment, food storage containers, transparent and semi-transparent articles, toys, tubing and pipes, and or medical devices comprising the composition of Claim 1.
- 21. (Currently amended) A plasticized polyolefin composition comprising from 99.9 wt% to 60 wt% polyolefin; and from 0.1 wt% to 40 wt% of a non-functionalized plasticizer having a pour point of less than -30°C; wherein the T<sub>g</sub> of the polyolefin decreases by at least 2°C for every 4 wt% of non-functionalized plasticizer added to the composition, while the T<sub>m</sub> remains within 1 to 2 °C, and wherein elastomers are substantially absent from the composition, and wherein the polyolefin is selected from propylene homopolymers, propylene copolymers, propylene impact copolymers, or mixtures thereof eonstant.

- 22. (Currently amended) The composition of Claim 21, wherein the non-functionalized plasticizers plasticizer comprises C<sub>8</sub> to C<sub>100</sub> paraffins.
- 23. (Currently amended) The composition of Claim 21, wherein the non-functionalized plasticizers plasticizer comprises C<sub>6</sub> to C<sub>50</sub> isoparaffins.
- 24. (Currently amended) The composition of Claim 21, wherein the non-functionalized plasticizers plasticizer comprises  $C_{10}$  to  $C_{100}$  n-paraffins.
- 25. (Currently amended) The composition of Claim 21, wherein the  $T_g$  of the polyolefin decreases from 4 to  $10^{\circ}$ C for every 4 wt% of non-functionalized plasticizer added to the composition, while the  $T_m$  remains within 1 to 2 °C constant.
- 26. (Currently amended) The composition of Claim 21, wherein the non-functionalized plasticizer has a pour point of less than -40°C less than -5°C.
- 27. (Original) The composition of Claim 21, wherein the non-functionalized plasticizer has a viscosity of from 0.1 to 3000 cSt at 100°C.
- 28. (Currently amended) The composition of Claim 21, wherein the non-functionalized plasticizer has a dielectric constant at 20°C of less than 2.3—less than 2.1.
- 29. (Currently amended) The composition of Claim 21, wherein the non-functionalized plasticizer has a specific gravity of from 0.700 to 0.860 less than 0.91 g/cm<sup>3</sup>.
- 30. (Original) The composition of Claim 21, wherein aromatic moieties are substantially absent from the non-functionalized plasticizers.

- 31. (Original) The composition of Claim 21, wherein the weight average molecular weight of the non-functionalized plasticizer is from 200 to 25,000 g/mol.
- 32. (Original) The composition of Claim 21, wherein the weight average molecular weight of the non-functionalized plasticizer is from 200 to 10,000 g/mol.
- 33. (Original) The composition of Claim 21, wherein the polyolefin is an isotactic propylene homopolymer.
- 34. (Currently amended) The composition of Claim 21, wherein the polyolefin is selected from propylene homopolymers, propylene random copolymers, propylene block copolymers, propylene impact copolymers, and or mixtures thereof.
- 35. (Currently amended) An article of manufacture selected from films, sheets, fibers, woven and nonwoven fabrics, tubes, pipes, automotive components, furniture, sporting equipment, food storage containers, transparent and semi-transparent articles, toys, tubing and pipes, and or medical devices comprising the composition of Claim 21.
- 36. (Withdrawn) A method of plasticizing a polyolefin comprising blending a polyolefin with a non-functionalized plasticizer; wherein the non-functionalized plasticizer comprises C<sub>6</sub> to C<sub>200</sub> paraffins having a pour point of less than -5°C.
- 37. (Withdrawn) The method of Claim 36, wherein the blending comprises melt blending.
- 38. (Withdrawn) The method of Claim 36, wherein the melt blending is performed in an extruder.

- 39. (Withdrawn) The method of Claim 36, wherein the blending comprises wet blending of solid polyolefin.
- 40. (Withdrawn) The method of Claim 36, wherein the polyolefin is in the form of reactor granules or extruded pellets.
- 41. (Withdrawn) The method of Claim 36, wherein the reactor granules have an average diameter of from 10 μm to 5 mm.
- 42. (Withdrawn) The method of Claim 36, wherein the non-functionalized plasticizer has a pour point of less than -30°C.
- 43. (Withdrawn) The method of Claim 36, wherein the non-functionalized plasticizer has a viscosity of from 1 to 3000 cSt at 100°C.
- 44. (Withdrawn) The method of Claim 36, wherein the non-functionalized plasticizer has a viscosity of from 2 to 300 cSt at 100°C.
- 45. (Withdrawn) The method of Claim 36, wherein the non-functionalized plasticizer has a specific gravity of less than 0.91 g/cm<sup>3</sup>.
- 46. (Withdrawn) The method of Claim 36, wherein the non-functionalized plasticizers comprises C<sub>8</sub> to C<sub>100</sub> paraffins.
- 47. (Withdrawn) The method of Claim 36, wherein the non-functionalized plasticizers comprises C<sub>6</sub> to C<sub>50</sub> isoparaffins.
- 48. (Withdrawn) The method of Claim 36, wherein the non-functionalized plasticizers comprises  $C_{10}$  to  $C_{100}$  n-paraffins.

- 49. (Withdrawn) The method of Claim 36, wherein the polyolefin comprises segments that are isotactic.
- 50. (Withdrawn) The method of Claim 36, wherein the polyolefin is a homopolymer or copolymer comprising propylene derived units.
- 51. (Withdrawn) The method of Claim 36, wherein the polyolefin is a propylene homopolymer.
- 52. (Withdrawn) The method of Claim 36, wherein the copolymer comprises propylene derived units and units selected from ethylene derived units and C<sub>4</sub> to C<sub>20</sub> α-olefin derived units.
- 53. (Withdrawn) The method of Claim 36, wherein the copolymer is selected from random copolymers, block copolymers, impact copolymers, and mixtures thereof.
- 54. (Withdrawn) The method of Claim 36, wherein plasticizers such as phthalates, adipates, trimellitate esters, and polyesters are substantially absent.
- 55. (Withdrawn) The method of Claim 36, wherein polyethylene having a weight average molecular weight of from 500 to 10,000 is substantially absent.
- 56. (Withdrawn) An article of manufacture selected from films, sheets, fibers, woven and nonwoven fabrics, tubes, pipes, automotive components, furniture, sporting equipment, food storage containers, transparent and semi-transparent articles, toys, tubing and pipes, and medical devices made by the method of Claim 36.
- 57. (New) The composition of claim 1 wherein the non-functionalized plasticizer has a pour point of less than -40°C.

- 58. (New) The composition of claim 1 wherein the non-functionalized plasticizer has a pour point of less than -50°C.
- 59. (New) The composition of claim 1 wherein the non-functionalized plasticizer has a pour point of less than -60°C.
- 60. (New) The composition of claim 21 wherein the non-functionalized plasticizer has a pour point of less than -40°C.
- 61. (New) The composition of claim 21 wherein the non-functionalized plasticizer has a pour point of less than -50°C.
- 62. (New) The composition of claim 21 wherein the non-functionalized plasticizer has a pour point of less than -60°C.